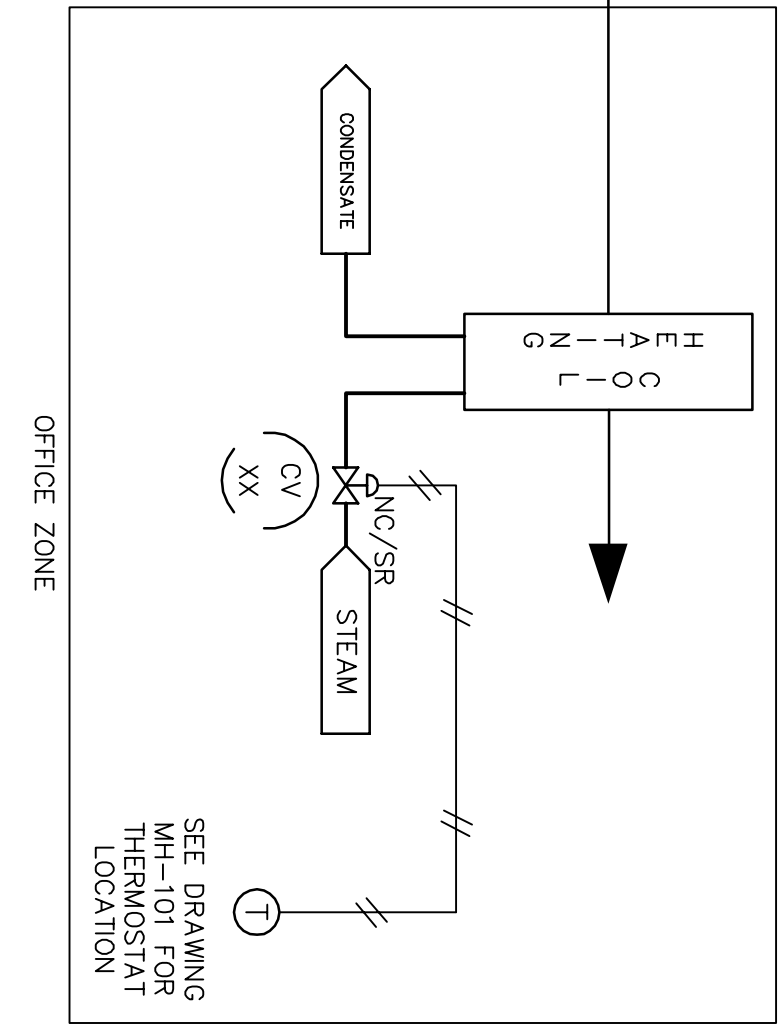
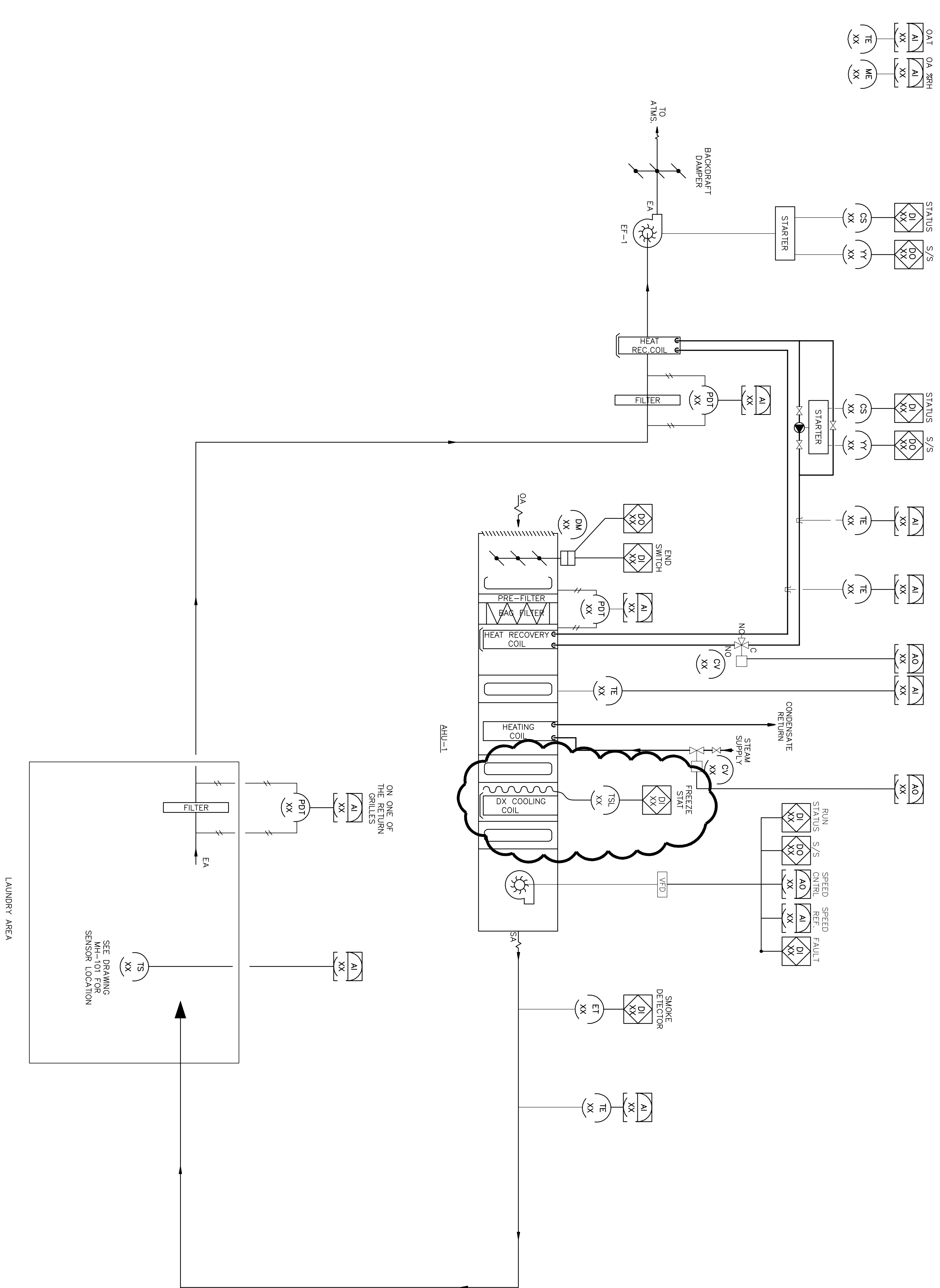
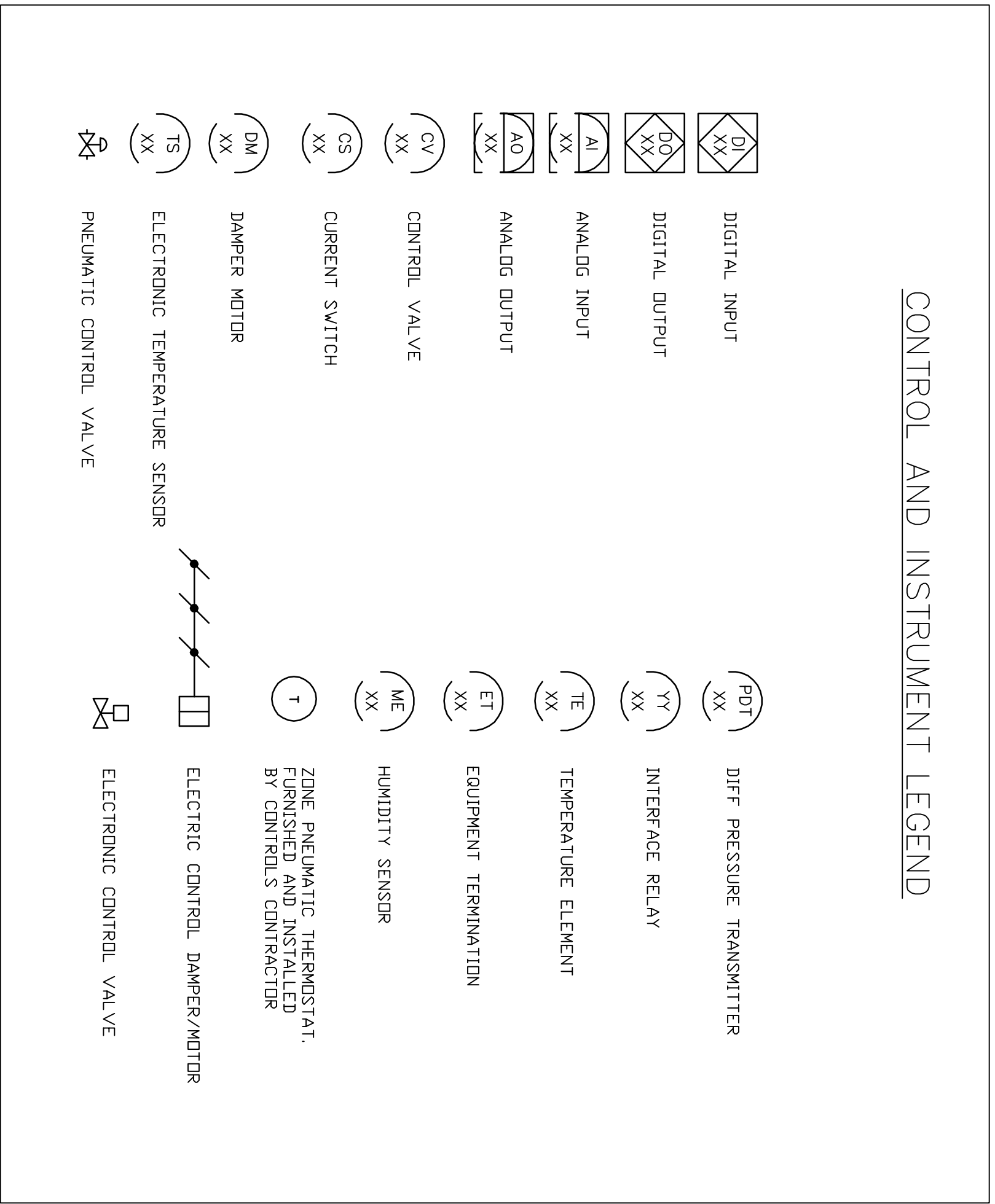


- A. GENERAL: THE AIR HANDLER SUPPLIES CONDITIONED AIR TO A LAUNDRY FACILITY AREA AND OFFICE ZONE AS DEPICTED ON THIS PROCESS FLOW DIAGRAM DRAWING.
- B. THE FACTORY PROVIDED DIGITAL DISTRIBUTIVE CONTROL SYSTEM (DDC) ON THE AIR CONDITIONING UNIT SHALL CONTROL ALL FACTORY PROVIDED EQUIPMENT AND SYSTEMS. THE DDC SHALL BE CAPABLE OF MONITORING AND CONTROLLING THE FACTORY PROVIDED DIGITAL DISTRIBUTIVE CONTROL SYSTEM (DDC) ON THE AIR CONDITIONING UNIT. THE DDC SHALL BE CAPABLE OF MONITORING AND CONTROLLING THE FACTORY PROVIDED DIGITAL DISTRIBUTIVE CONTROL SYSTEM (DDC) ON THE AIR CONDITIONING UNIT. THE DDC SHALL BE CAPABLE OF MONITORING AND CONTROLLING THE FACTORY PROVIDED DIGITAL DISTRIBUTIVE CONTROL SYSTEM (DDC) ON THE AIR CONDITIONING UNIT.
- C. THE FACTORY PROVIDED DIGITAL DISTRIBUTIVE CONTROL SYSTEM (DDC) ON THE AIR CONDITIONING UNIT SHALL BE CAPABLE OF MONITORING AND CONTROLLING THE FACTORY PROVIDED EQUIPMENT AND SYSTEMS. THE DDC SHALL BE CAPABLE OF MONITORING AND CONTROLLING THE FACTORY PROVIDED DIGITAL DISTRIBUTIVE CONTROL SYSTEM (DDC) ON THE AIR CONDITIONING UNIT. THE DDC SHALL BE CAPABLE OF MONITORING AND CONTROLLING THE FACTORY PROVIDED DIGITAL DISTRIBUTIVE CONTROL SYSTEM (DDC) ON THE AIR CONDITIONING UNIT.
- D. THE FACTORY PROVIDED DIGITAL DISTRIBUTIVE CONTROL SYSTEM (DDC) ON THE AIR CONDITIONING UNIT SHALL BE CAPABLE OF MONITORING AND CONTROLLING THE FACTORY PROVIDED EQUIPMENT AND SYSTEMS. THE DDC SHALL BE CAPABLE OF MONITORING AND CONTROLLING THE FACTORY PROVIDED DIGITAL DISTRIBUTIVE CONTROL SYSTEM (DDC) ON THE AIR CONDITIONING UNIT. THE DDC SHALL BE CAPABLE OF MONITORING AND CONTROLLING THE FACTORY PROVIDED DIGITAL DISTRIBUTIVE CONTROL SYSTEM (DDC) ON THE AIR CONDITIONING UNIT.
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- H. FAN INTERLOCK: THE FOLLOWING SHALL OCCUR WHEN THE FAN IS ROUTINELY OFF.
1. THE HEATING COIL VALVE SHALL CLOSE.
  2. THE TWO-POSITION OUTSIDE AIR DAMPER SHALL CLOSE.
  3. THE COOLING CONDENSER FANS AND COMPRESSORS SHALL STOP.
  4. THE COOLING CONDENSER FANS AND COMPRESSORS SHALL STOP.
- I. FAN VFD CONTROL: THE VFD SHALL RUN AT A FIXED SPEED AS DETERMINED AT THE TIME OF SYSTEM AIR BALANCING FOR MAINTAINING MINIMUM SUPPLY AIR VOLUME.
- J. EXHAUST SYSTEM
- K. THE EXHAUST FAN ASSOCIATED WITH THE AIR HANDLER IS DESIGNATED FOR GENERAL EXHAUST FROM THE LAUNDRY AREA. THE EXHAUST FAN SHALL BE CAPABLE OF MONITORING AND CONTROLLING THE FACTORY PROVIDED EQUIPMENT AND SYSTEMS. THE DDC SHALL BE CAPABLE OF MONITORING AND CONTROLLING THE FACTORY PROVIDED DIGITAL DISTRIBUTIVE CONTROL SYSTEM (DDC) ON THE AIR CONDITIONING UNIT. THE DDC SHALL BE CAPABLE OF MONITORING AND CONTROLLING THE FACTORY PROVIDED DIGITAL DISTRIBUTIVE CONTROL SYSTEM (DDC) ON THE AIR CONDITIONING UNIT.
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FREEZE PROTECTION: THE FOLLOWING SHALL OCCUR UPON ACTIVATION OF THE FREEZESTAT.

1. THE SUPPLY FAN SHALL STOP.
2. THE OUTSIDE AIR DAMPER SHALL CLOSE.
3. THE HEATING COIL CONTROL VALVE SHALL FULLY OPEN.
4. THE FREEZESTAT RESET SHALL BE A MANUAL OPERATION.



| NO. | DATE     | DESCRIPTION                 |
|-----|----------|-----------------------------|
| 1   | 02/07/12 | ISSUED FOR PERMITTING       |
| 2   | 03/07/12 | REVISED TO ADD LAUNDRY AREA |
| 3   | 04/07/12 | REVISED TO ADD OFFICE ZONE  |

SHEET TITLE  
AHU-1 PROCESS  
FLOW DIAGRAM

BLDG NO.  
10

PROJECT TITLE  
STEAM COIL REPLACEMENT  
FOR B-10 LAUNDRY

DRAWN  
FE

CHECKED  
TJ

DATE  
02/07/12

DRAWING NUMBER  
10-MH-801

APPROVED  
CHIEF ENGINEER/SERVICE

APPROVED  
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PROJECT NUMBER  
VA-528-09-RP-0100